



Theodore R. Anderson
U.S. Serial No. 10/648,878
CONFIGURABLE ARRAYS FOR STEER-
ABLE ANTENNAS AND WIRELESS...
Page 1 of 19

BEST AVAILABLE COPY

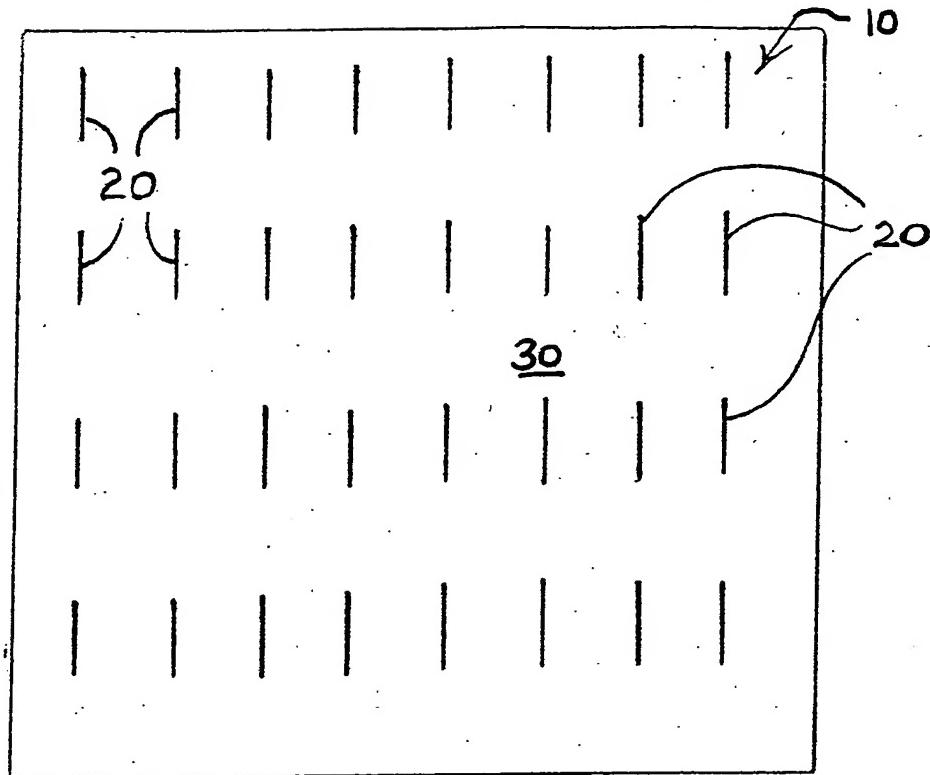


FIG. 1A

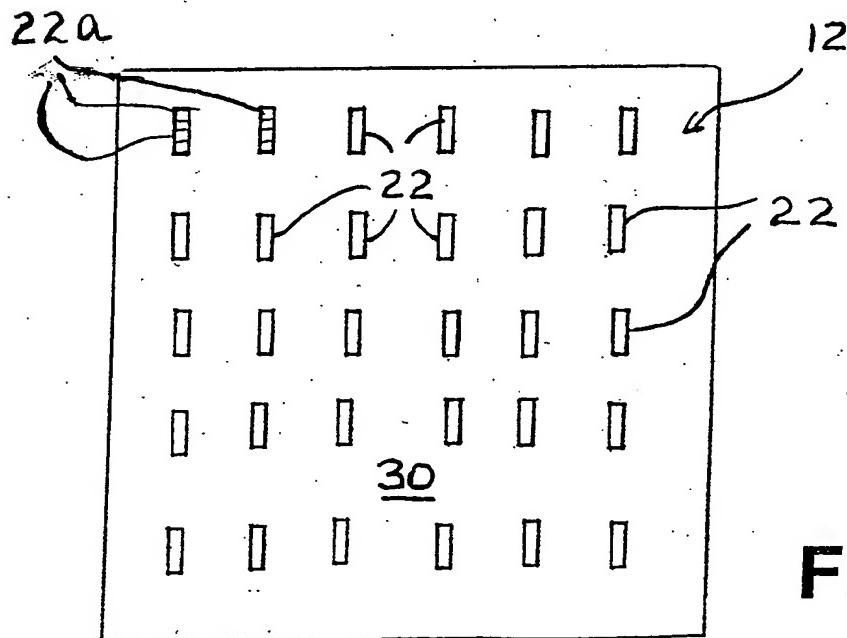


FIG. 2

Scaling function vs. plasma frequency

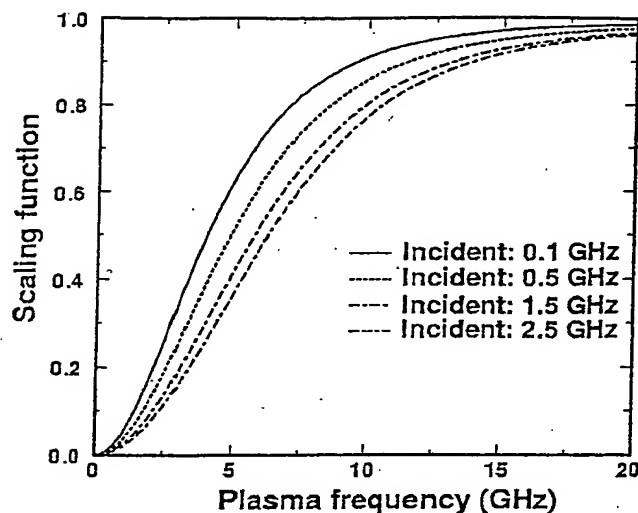
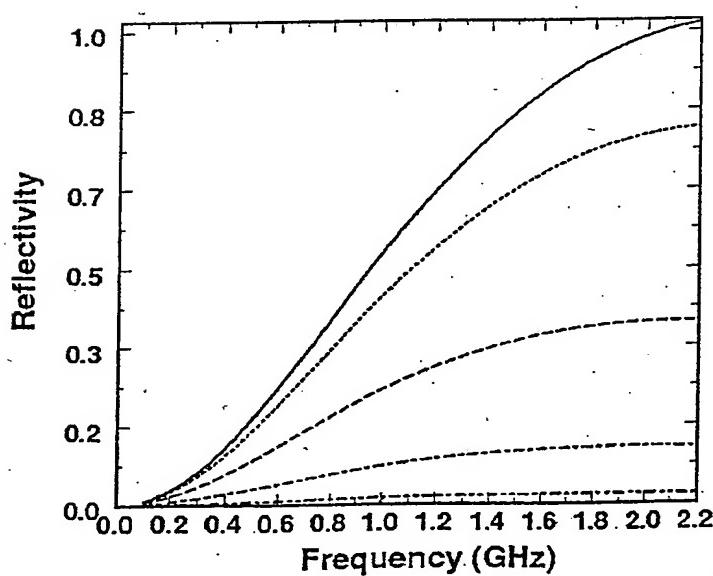


FIG. 1B

Reflectivity of plasma FSS window



— Perfect conductor
 - - - Plasma freq = 10.0 GHz
 - - - Plasma freq = 5.0 GHz
 - - - Plasma freq = 2.5 GHz
 - - - Plasma freq = 1.0 GHz

FIG. 1C

Reflectivity of plasma FSS

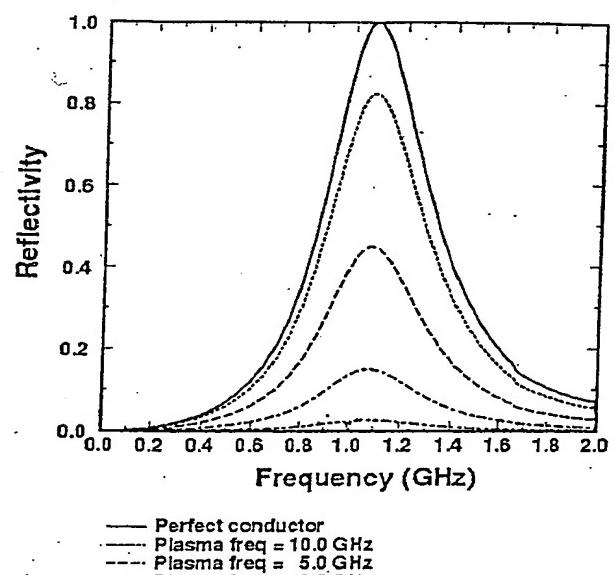


FIG. 1D

Reflectivity of plasma FSS

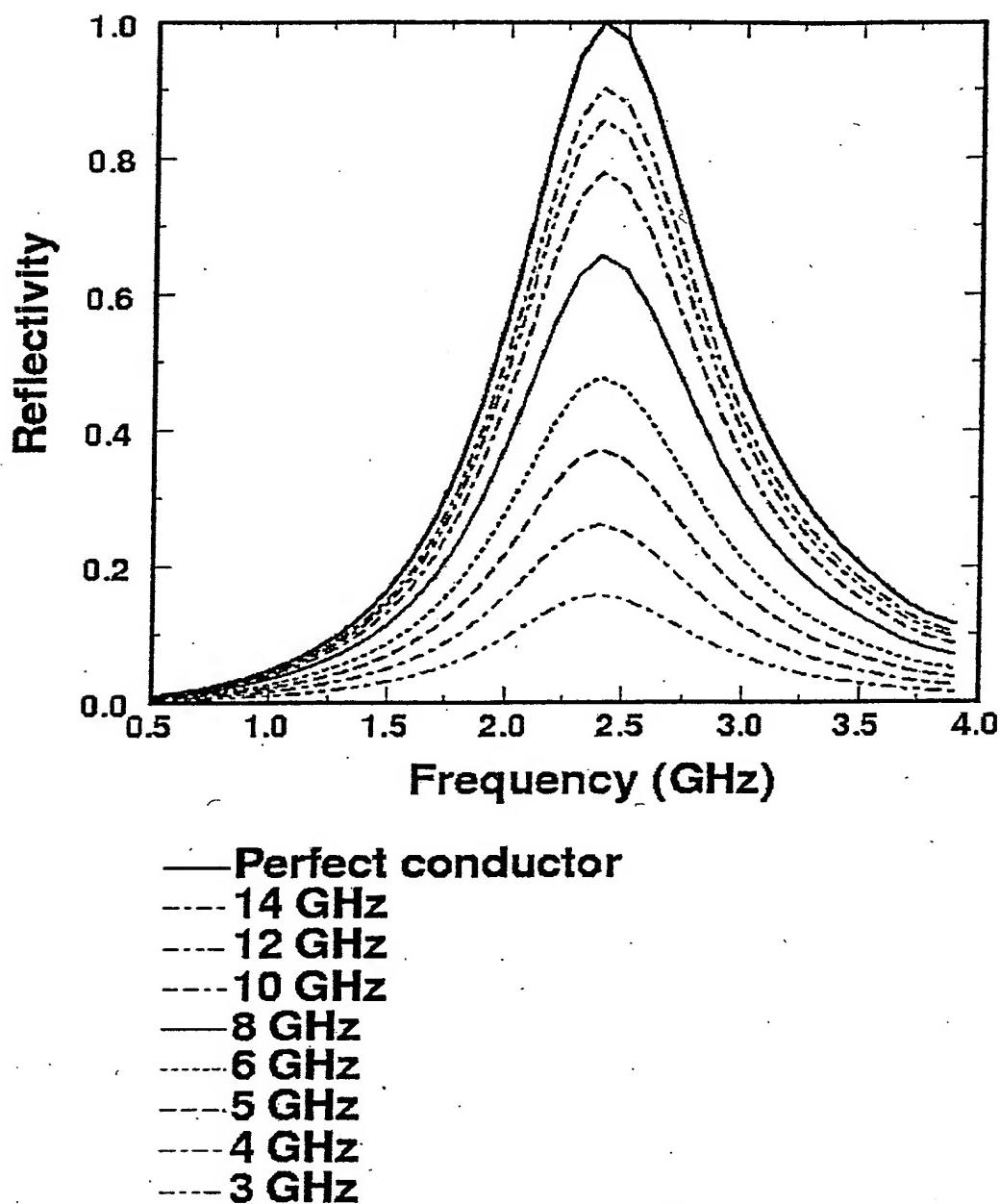


FIG. 1E

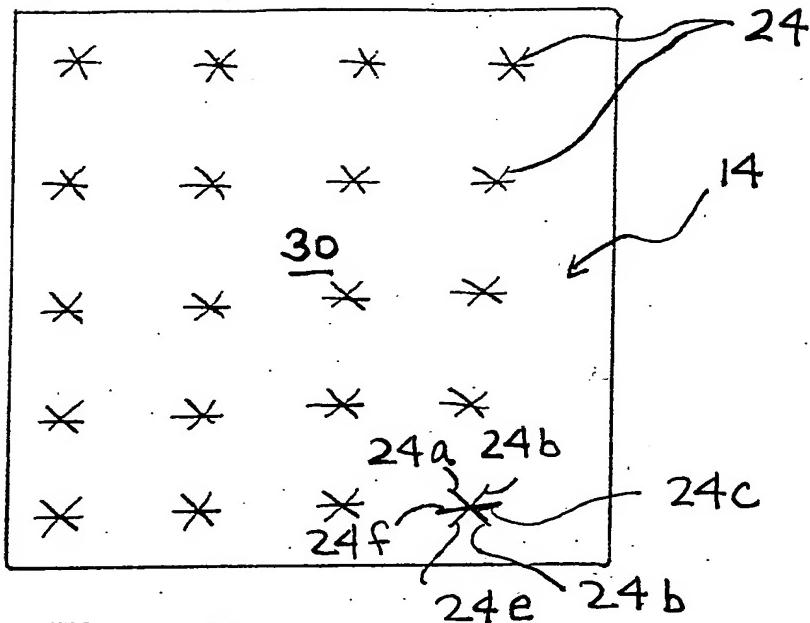


FIG. 3

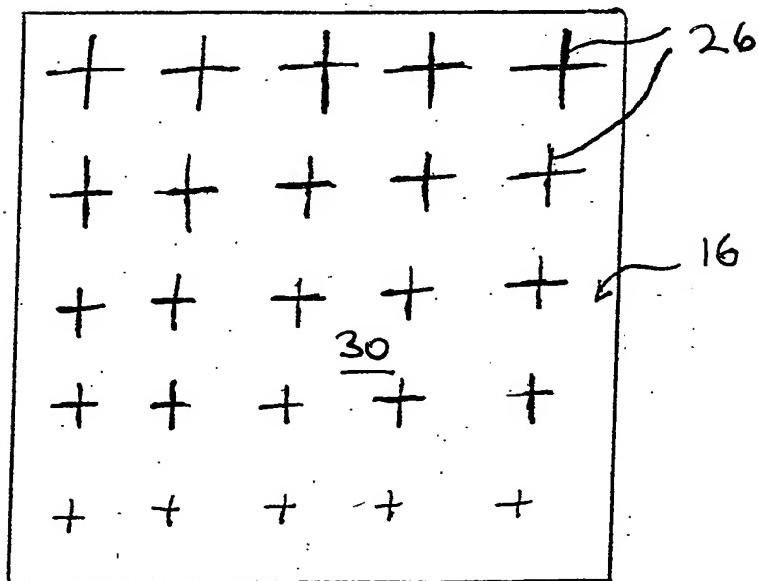


FIG. 4

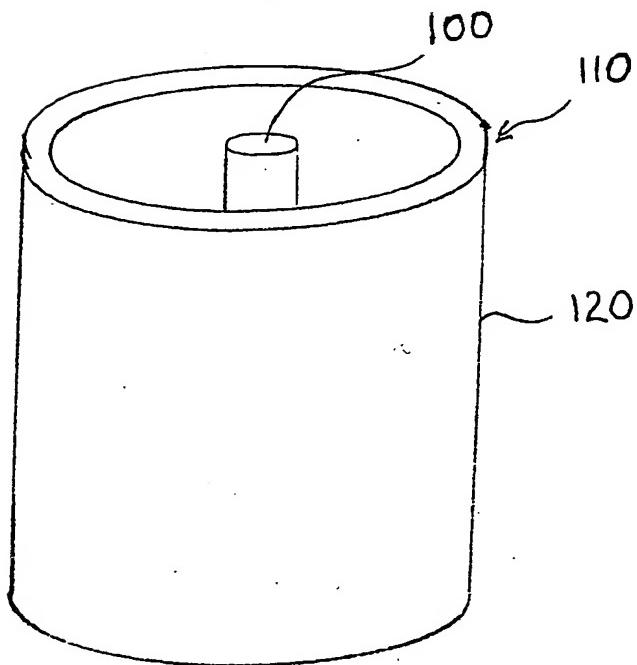


FIG. 5A

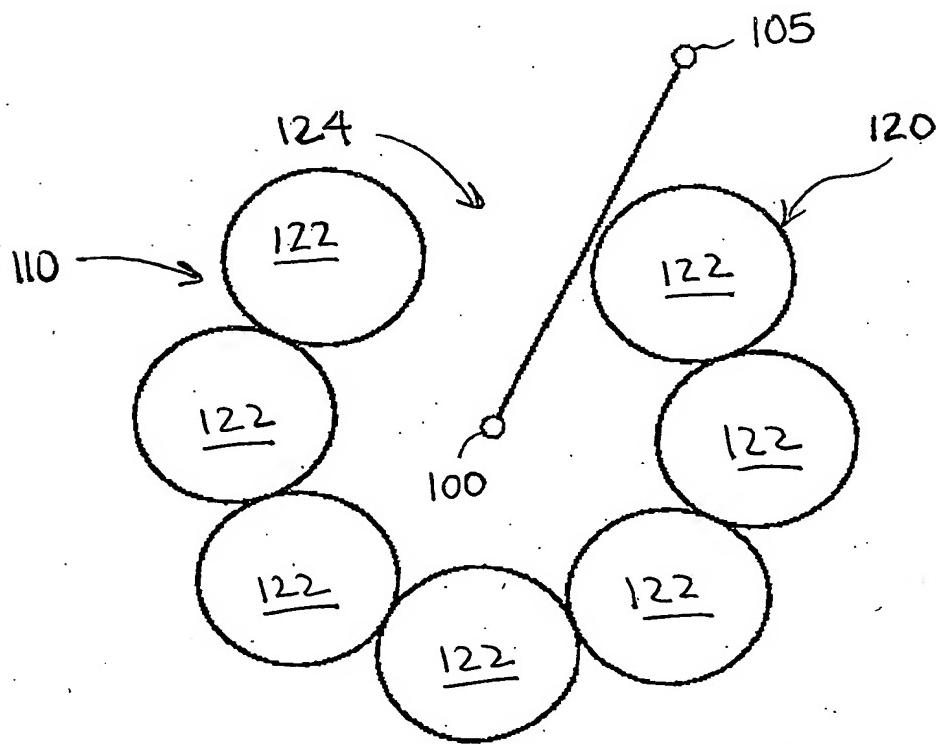
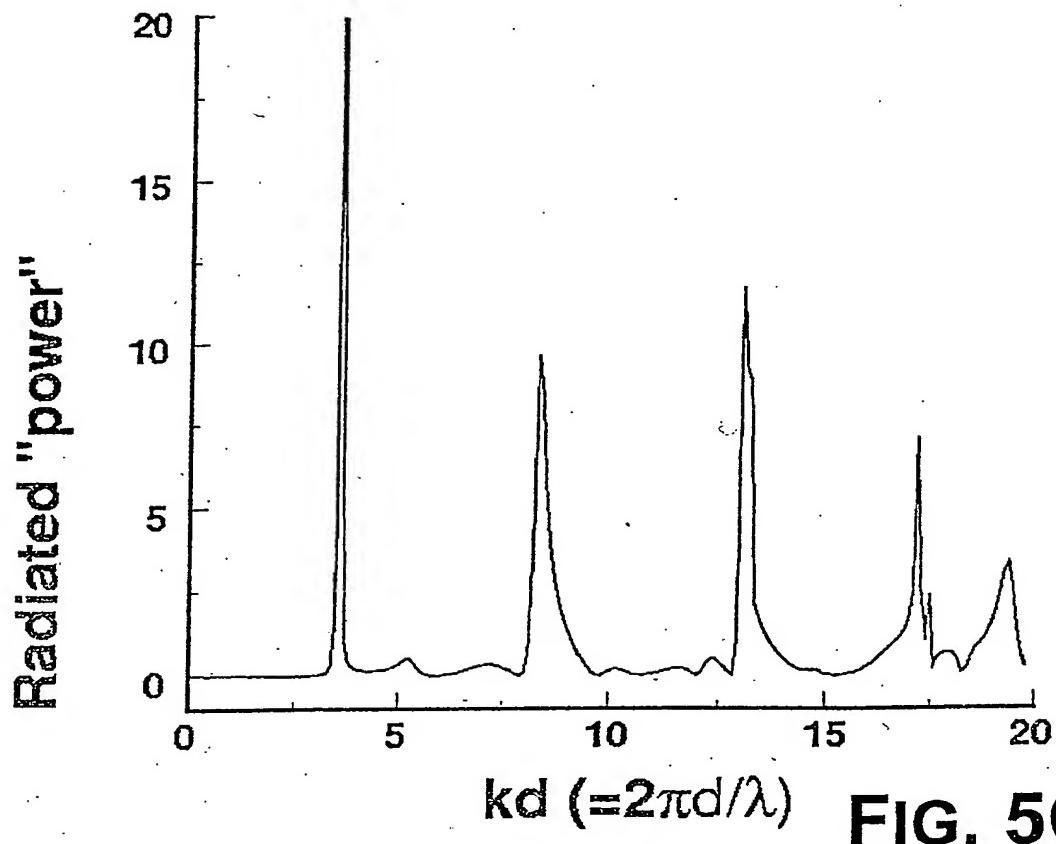
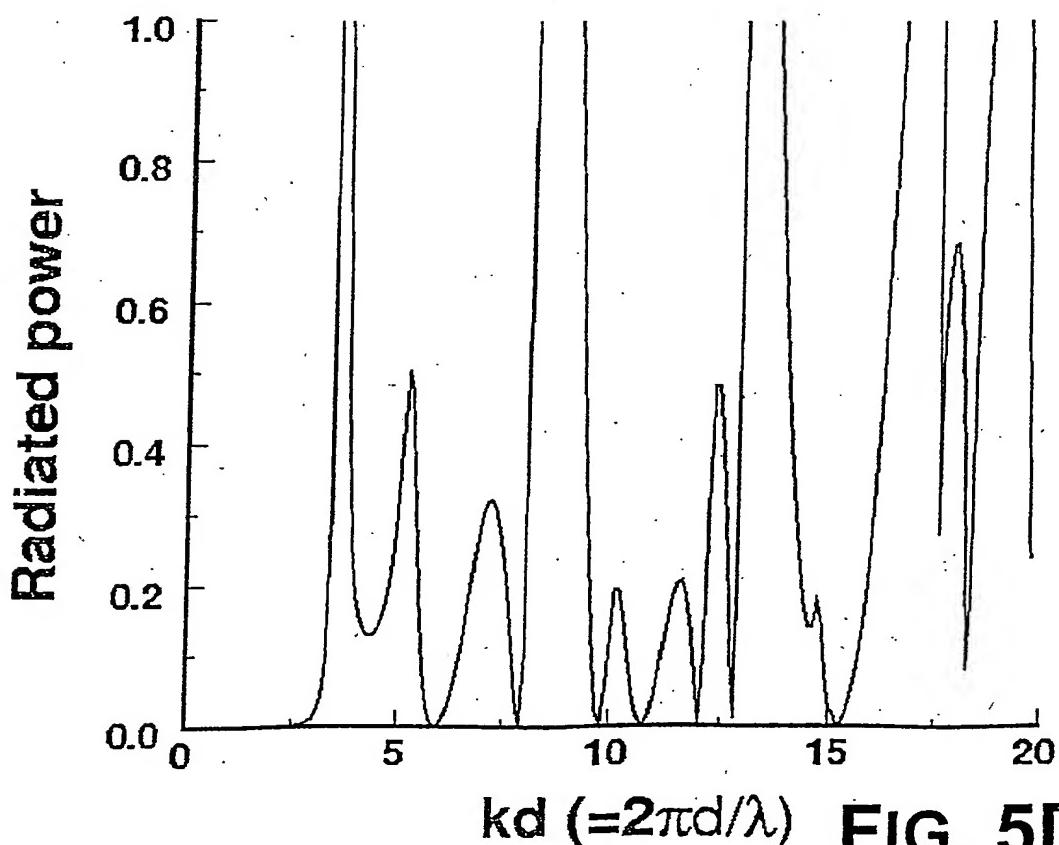


FIG. 5B



kd ($=2\pi d/\lambda$)

FIG. 5C



kd ($=2\pi d/\lambda$)

FIG. 5D

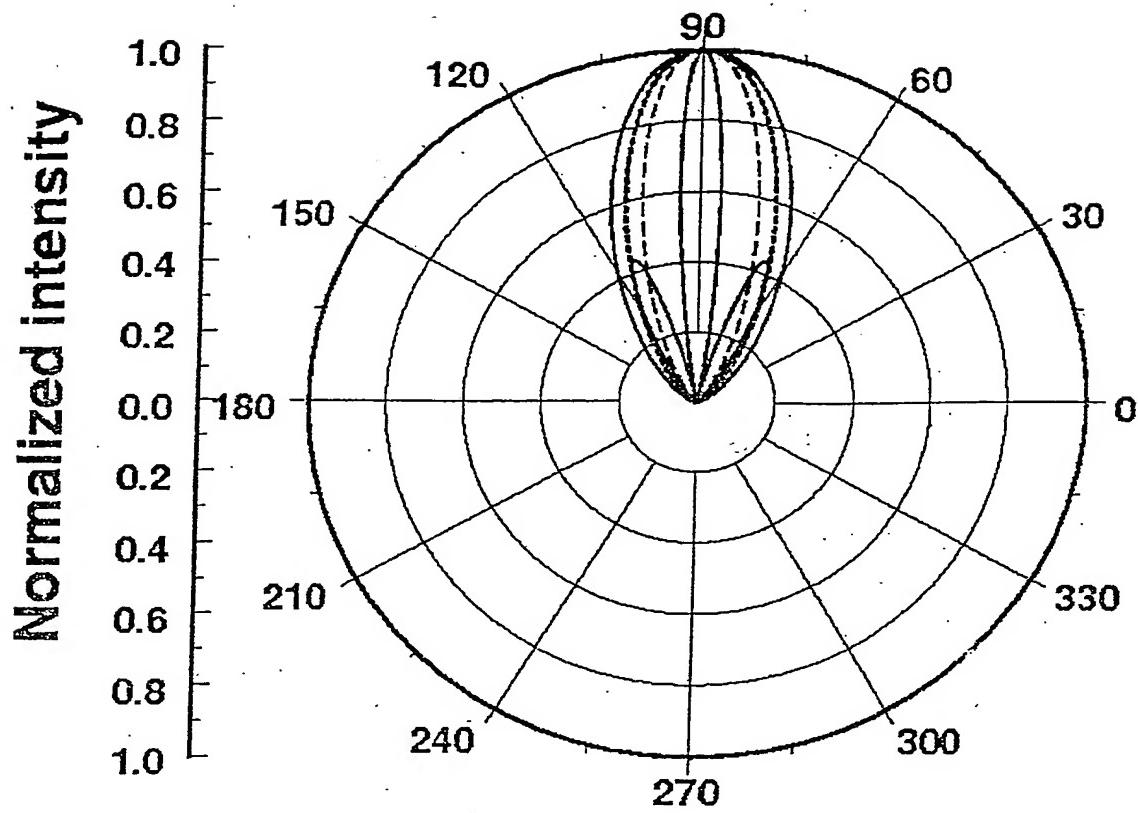


FIG. 5E

- $kd = 5.2$
- - - $kd = 7.2$
- · - $kd = 12.2$
- — $kd = 18.0$

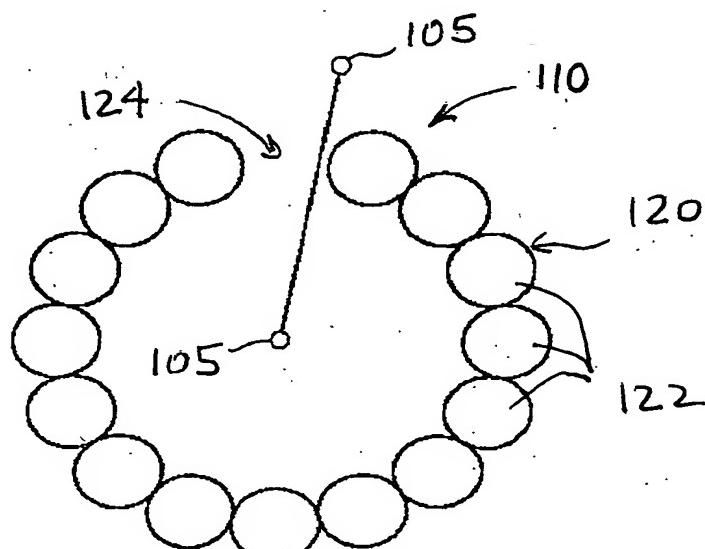


FIG. 5F

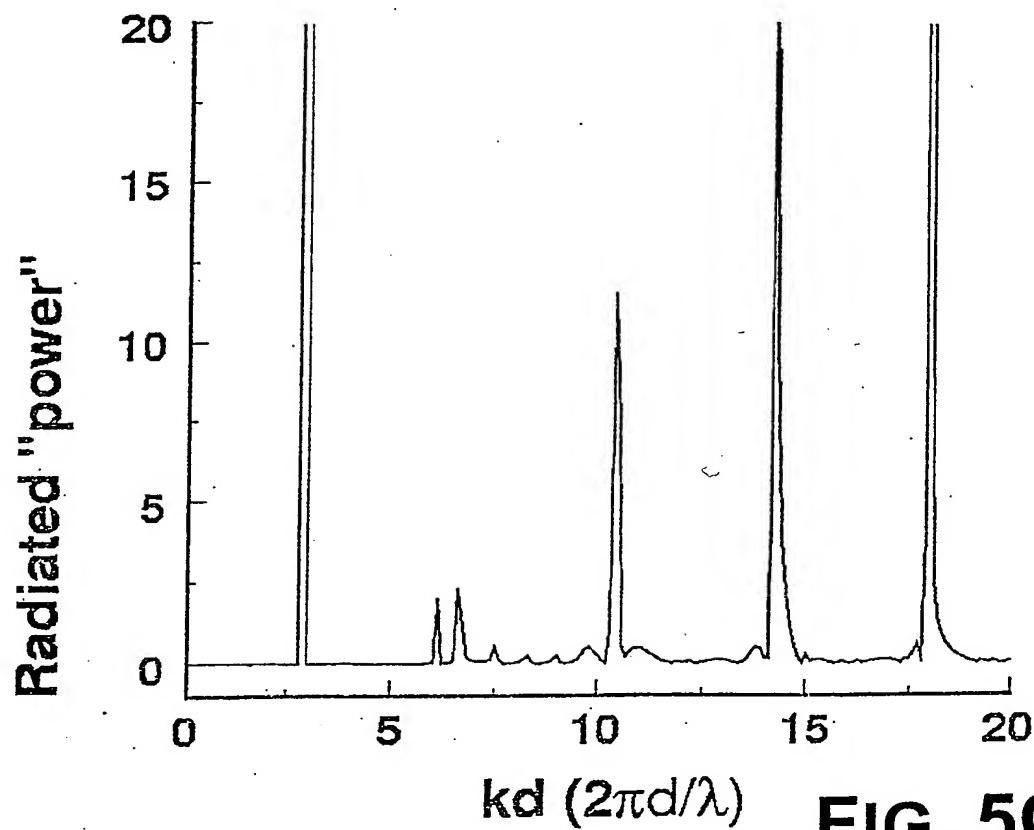


FIG. 5G

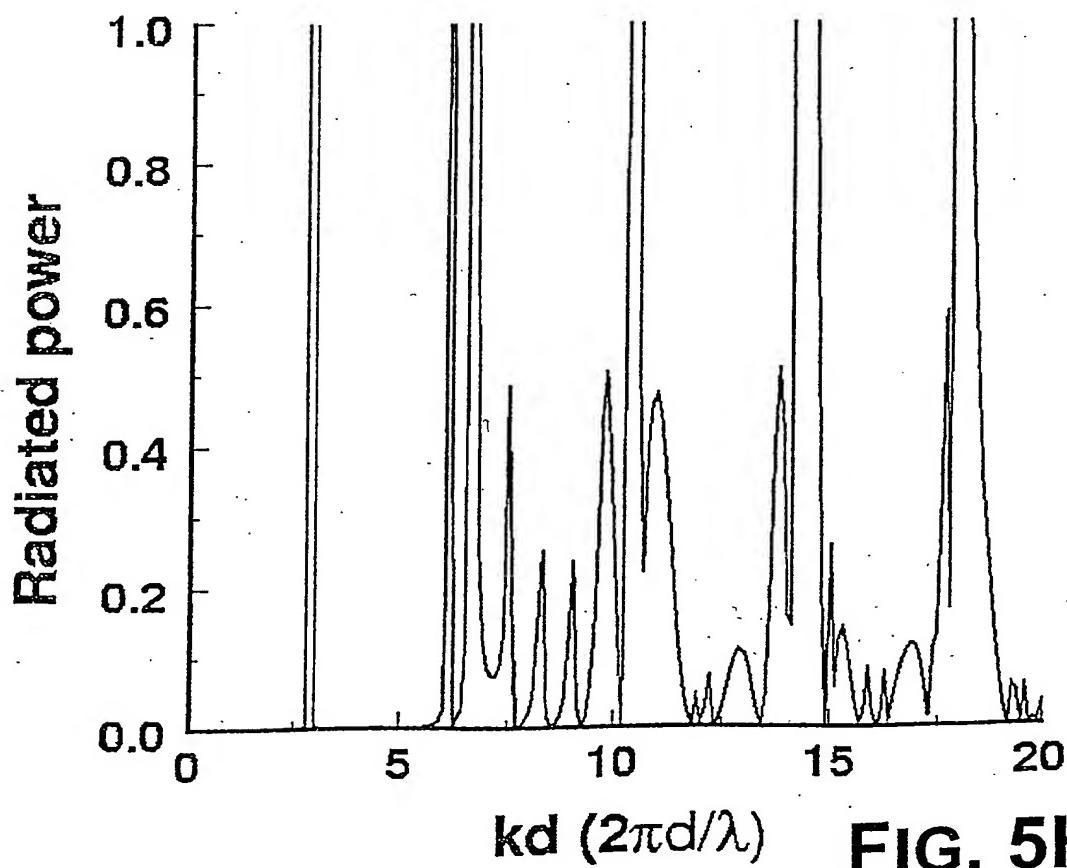


FIG. 5H

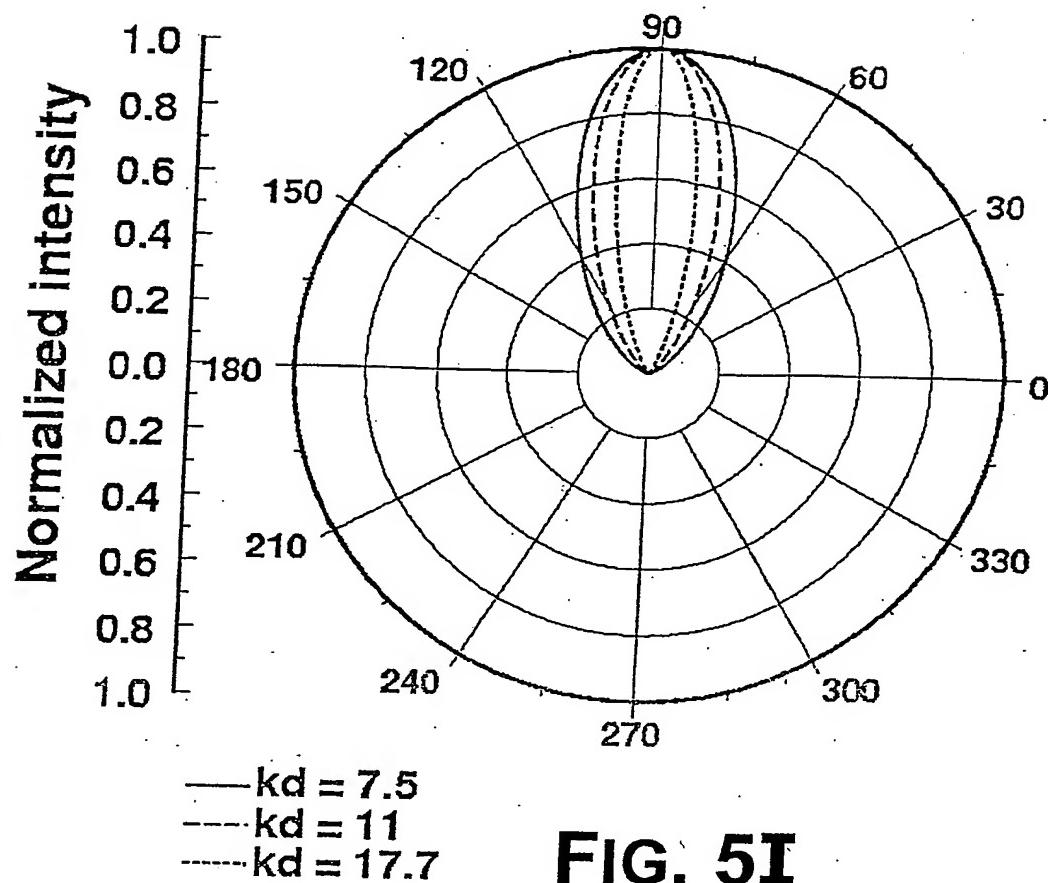


FIG. 5I

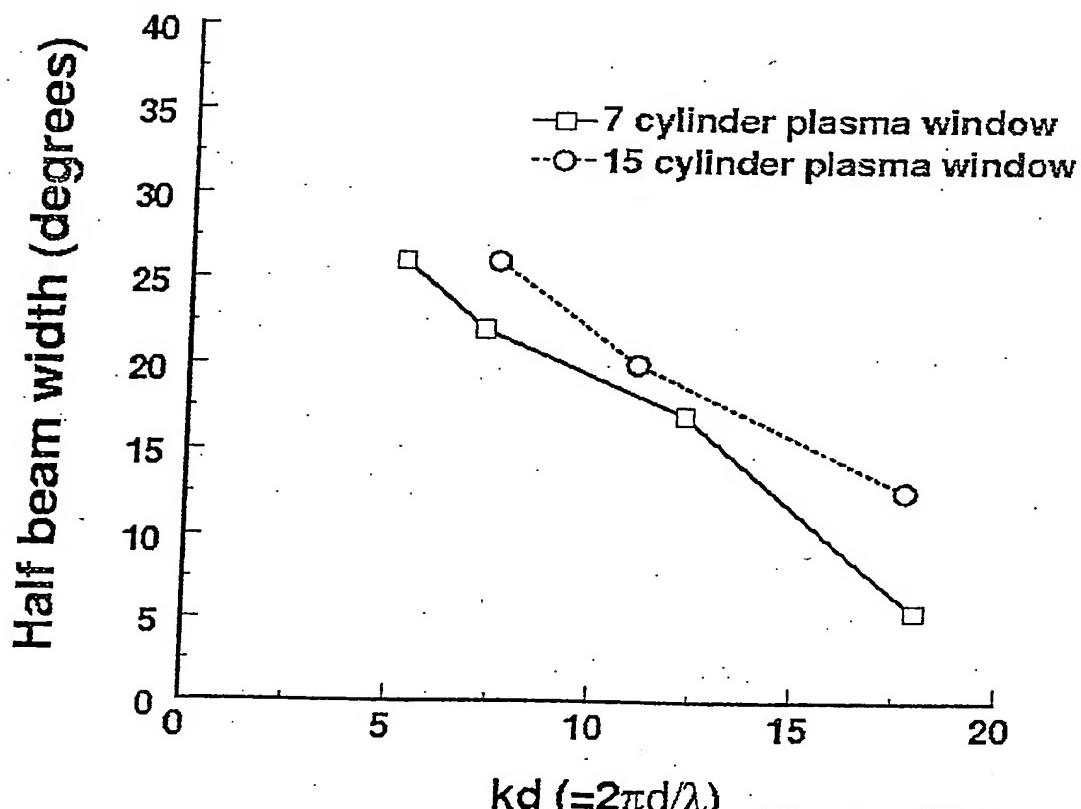


FIG. 5J

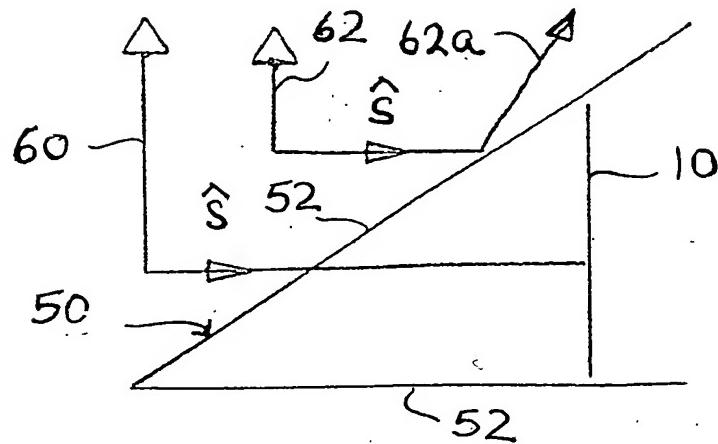


FIG. 6A

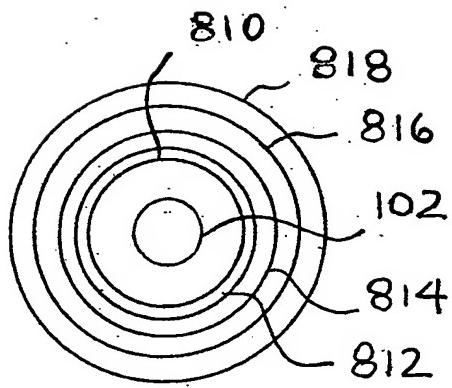


FIG. 6B

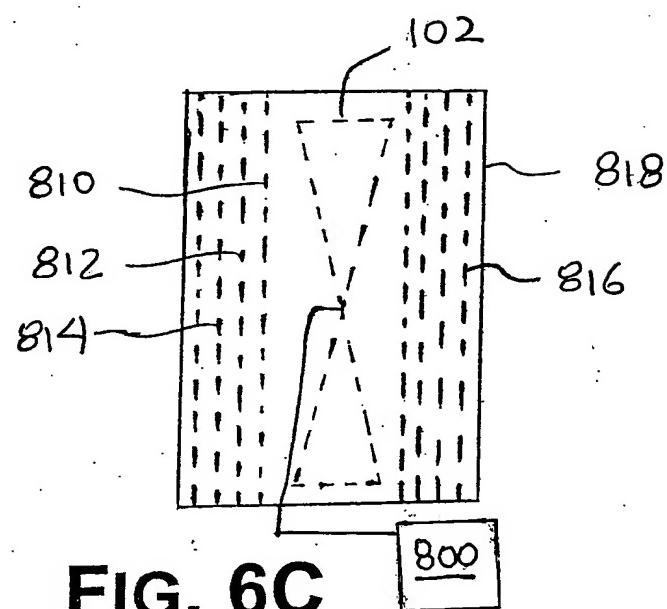


FIG. 6C

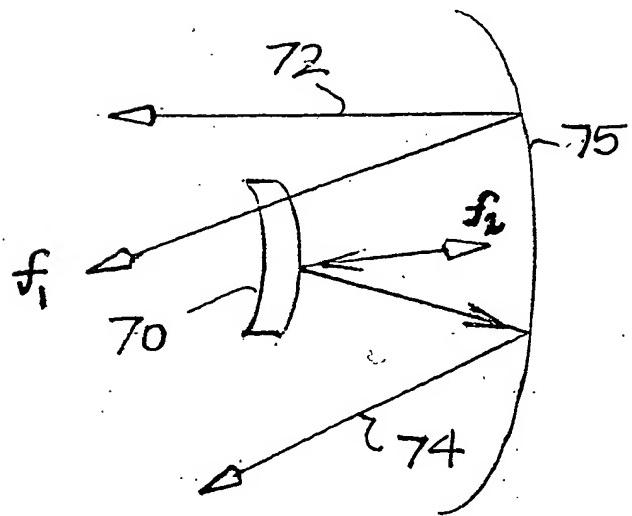


FIG. 7

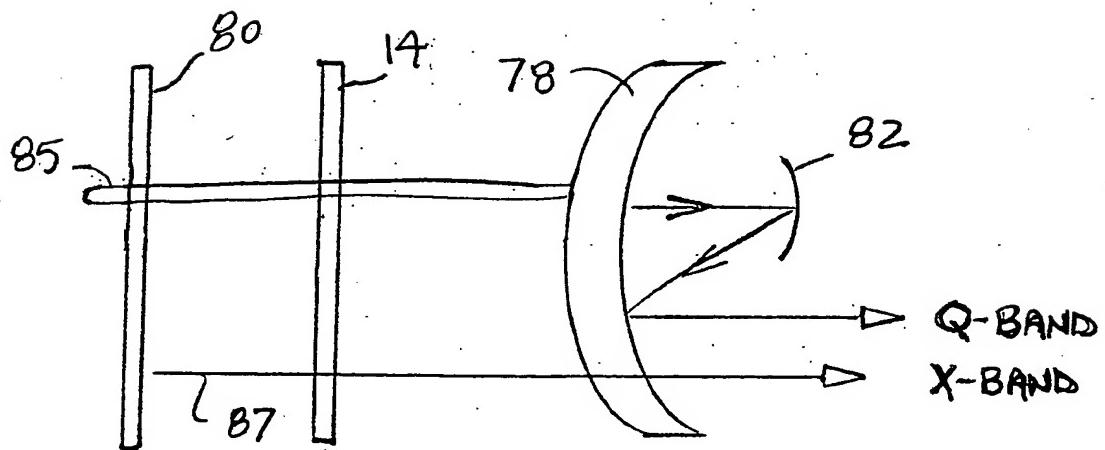


FIG. 8

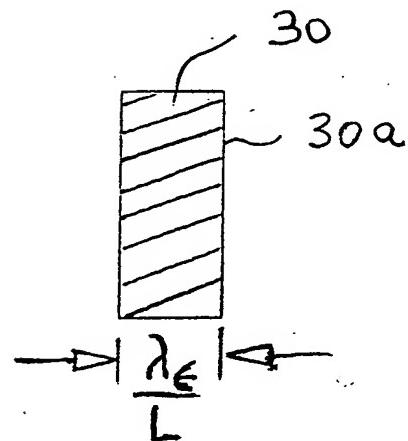


FIG. 9A

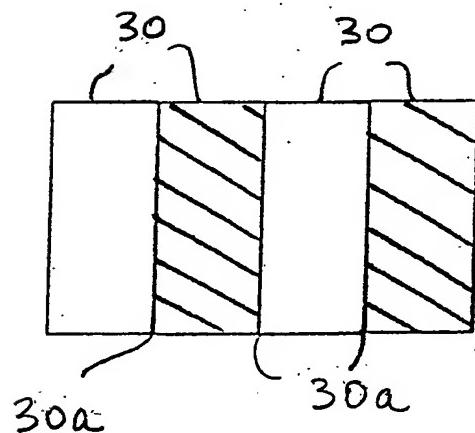


FIG. 9B

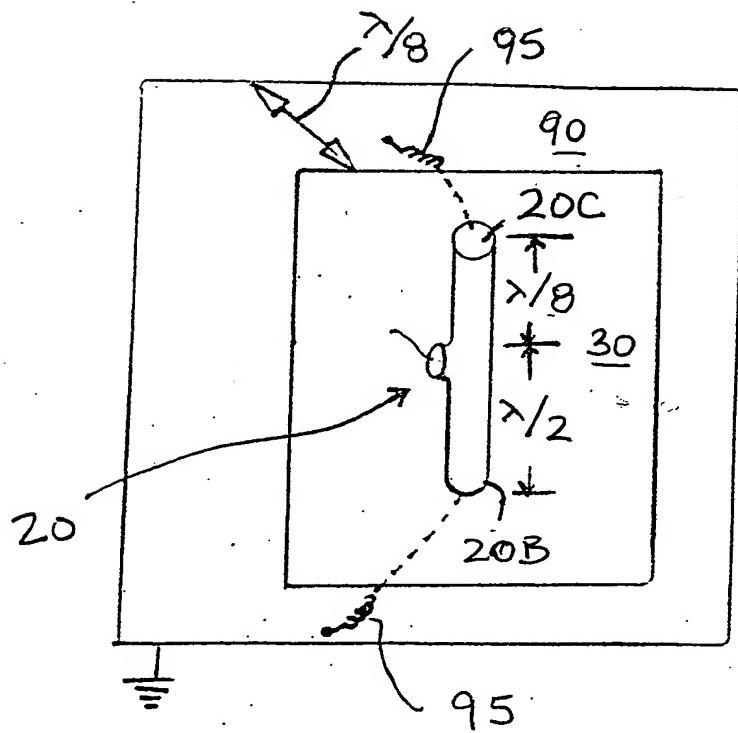


FIG. 10

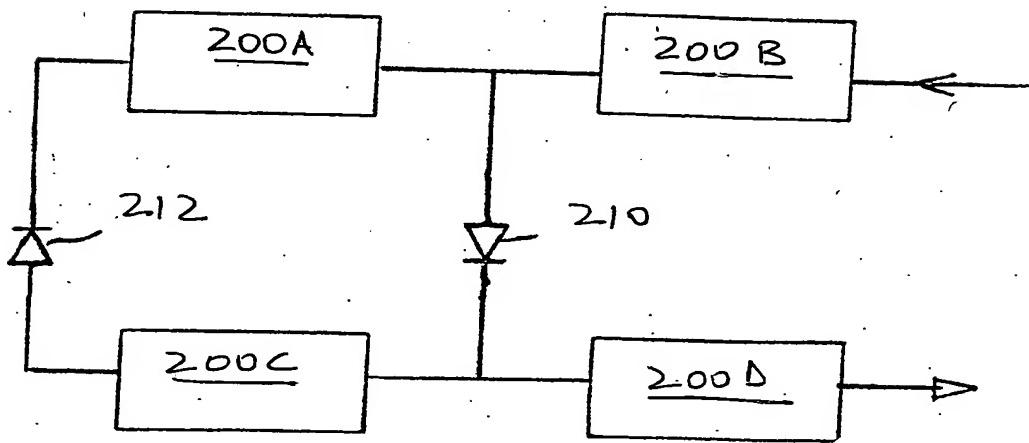


FIG. 11

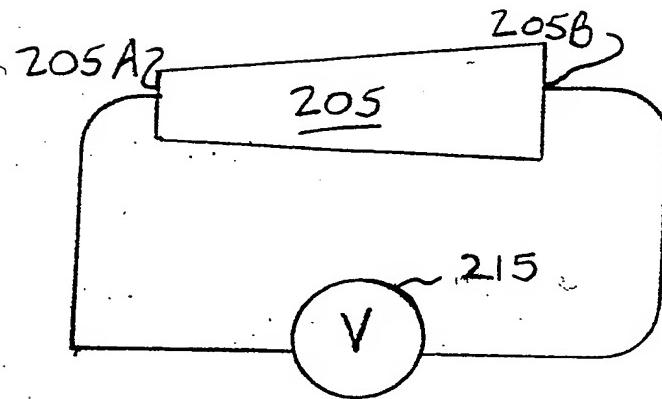


FIG. 12

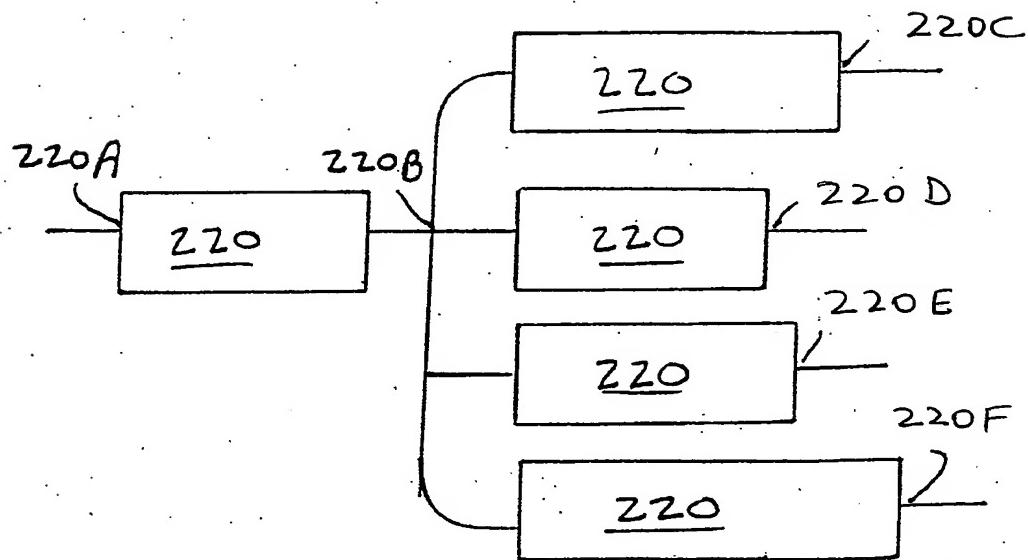


FIG. 13

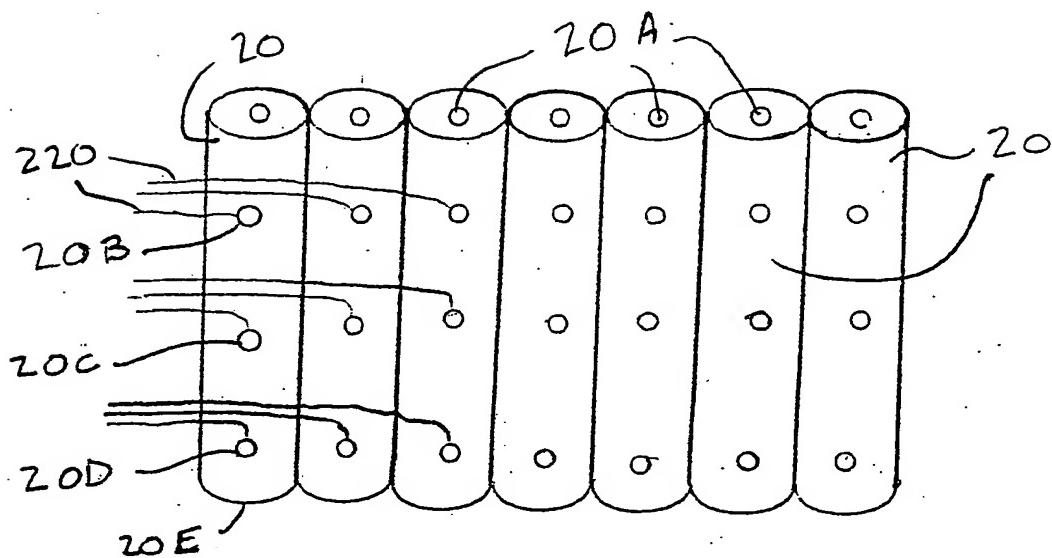


FIG. 14

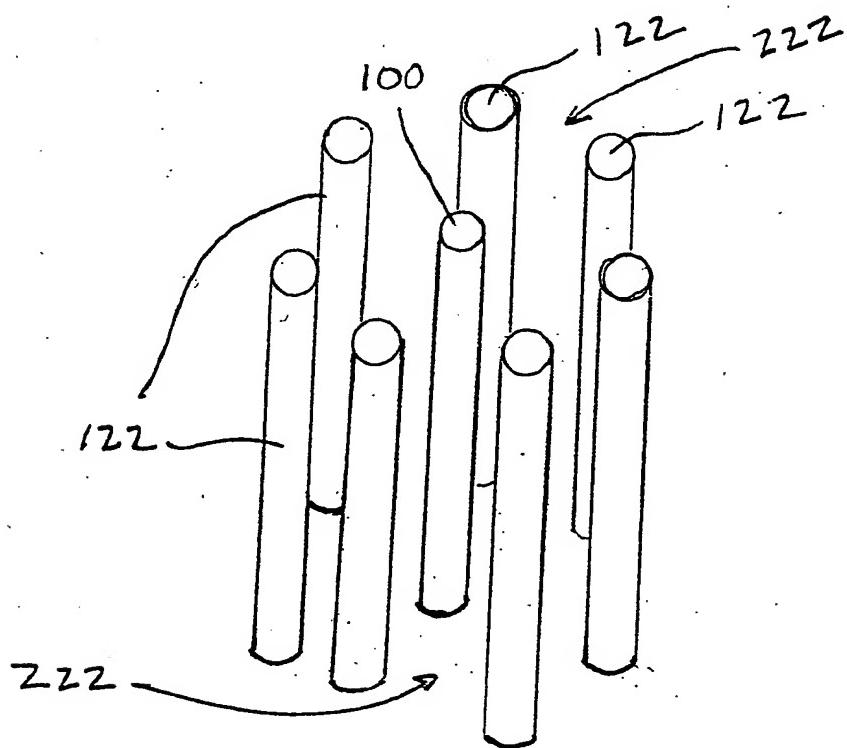


FIG. 15

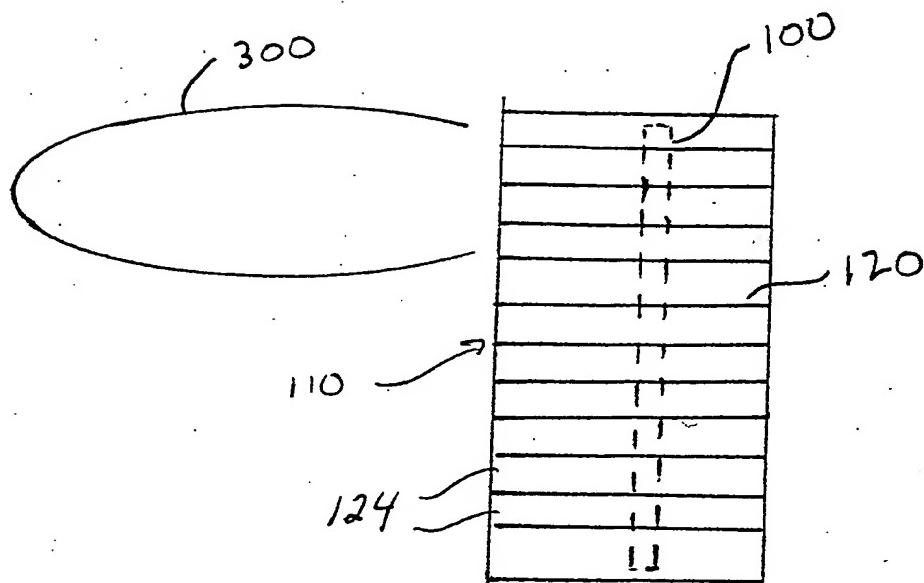


FIG. 16

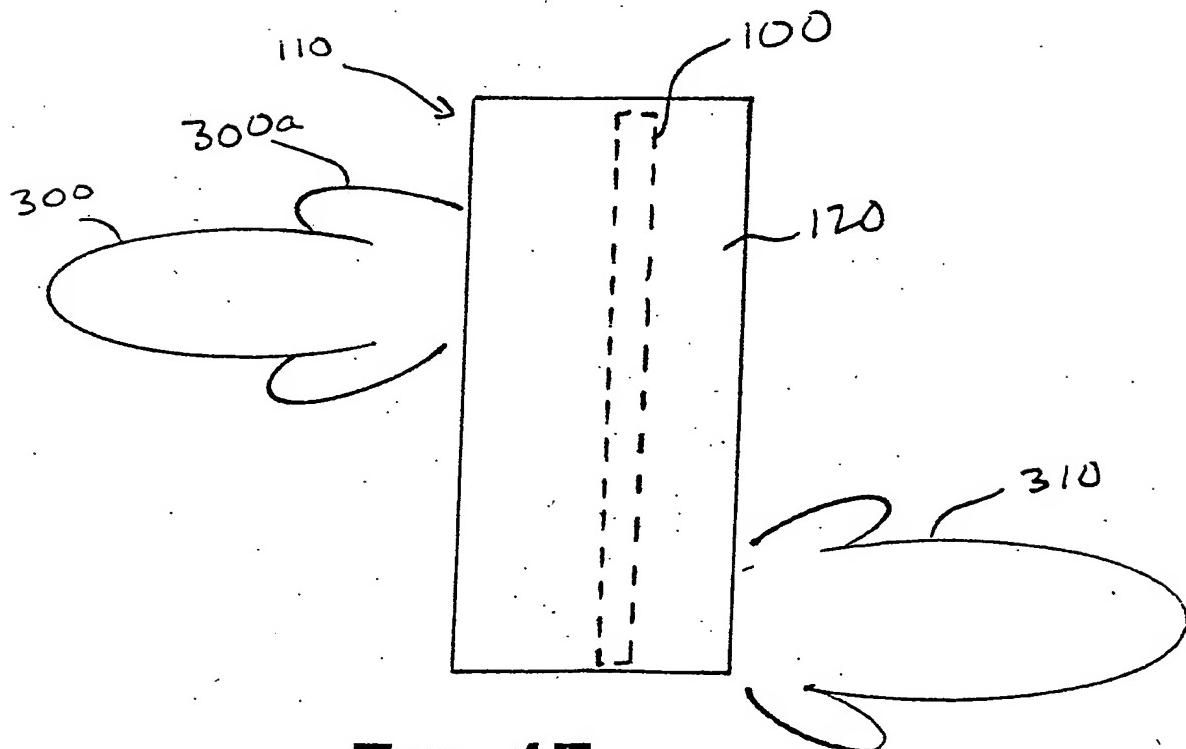


FIG. 17

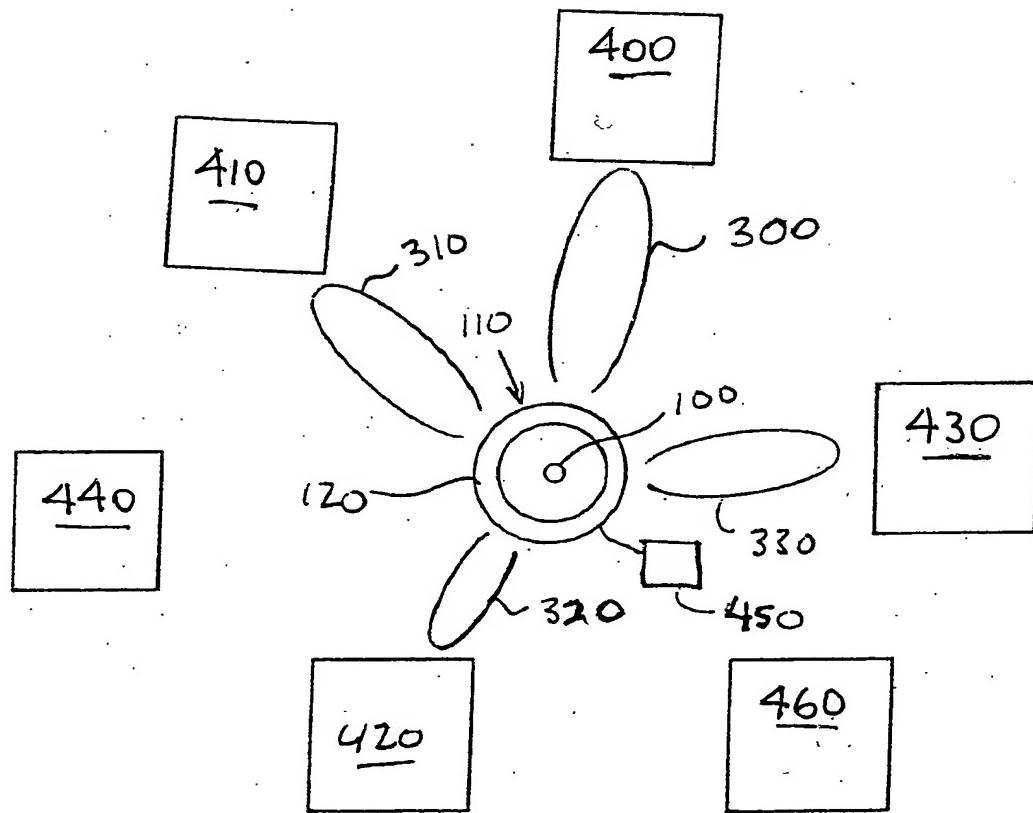


FIG. 18

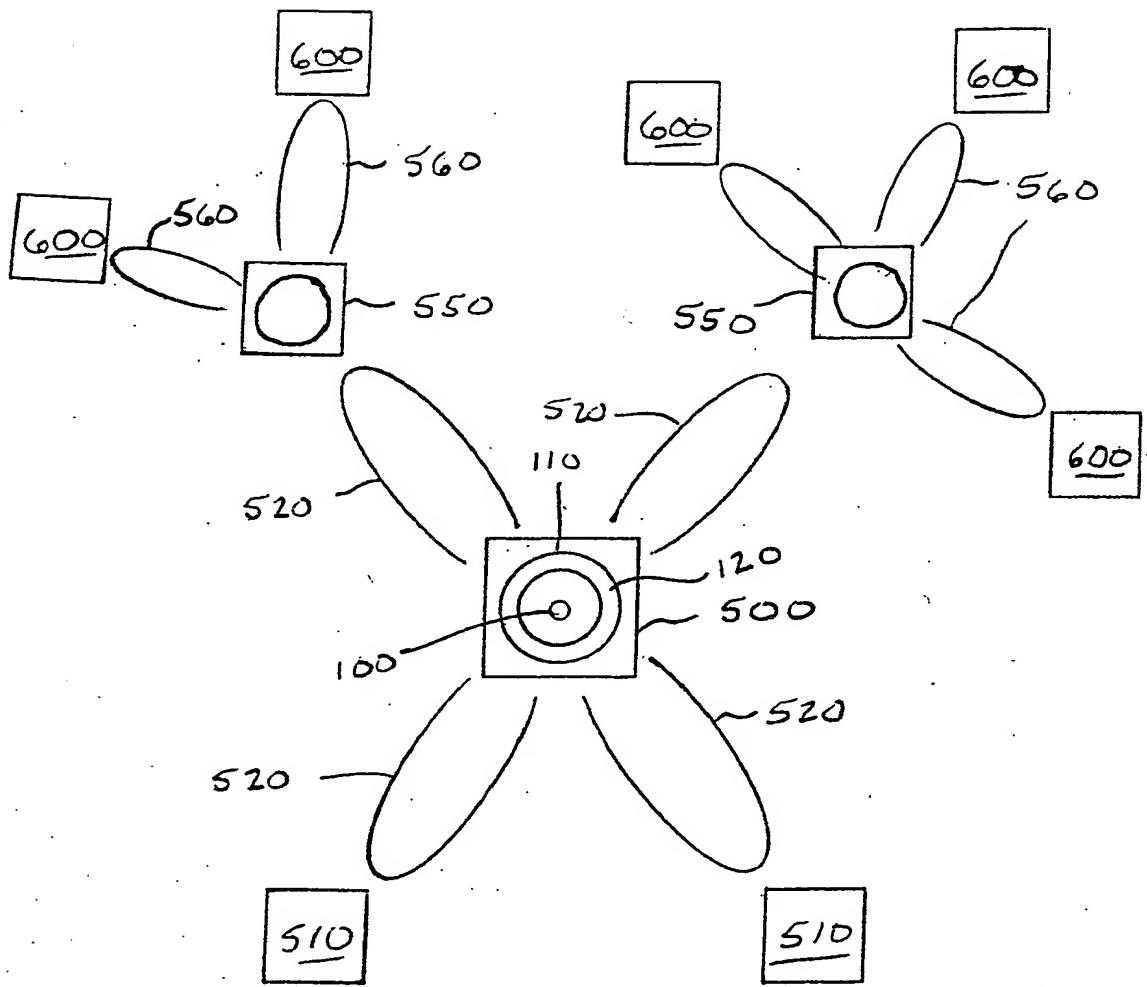


FIG. 19

FIG. 20

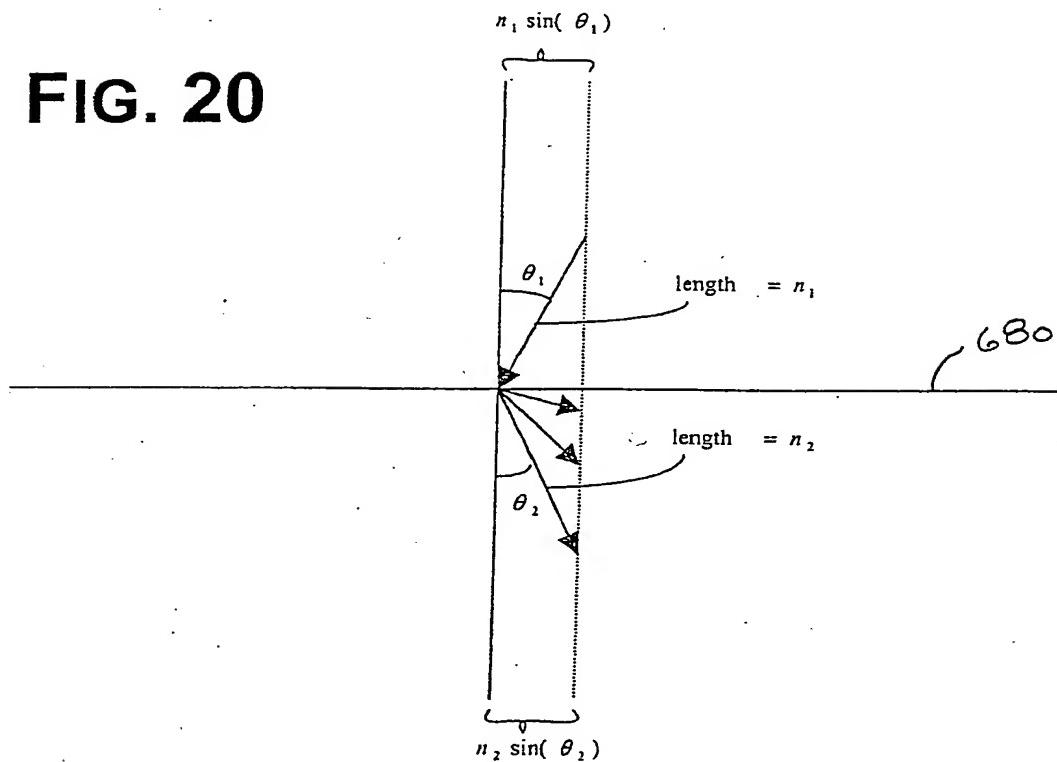
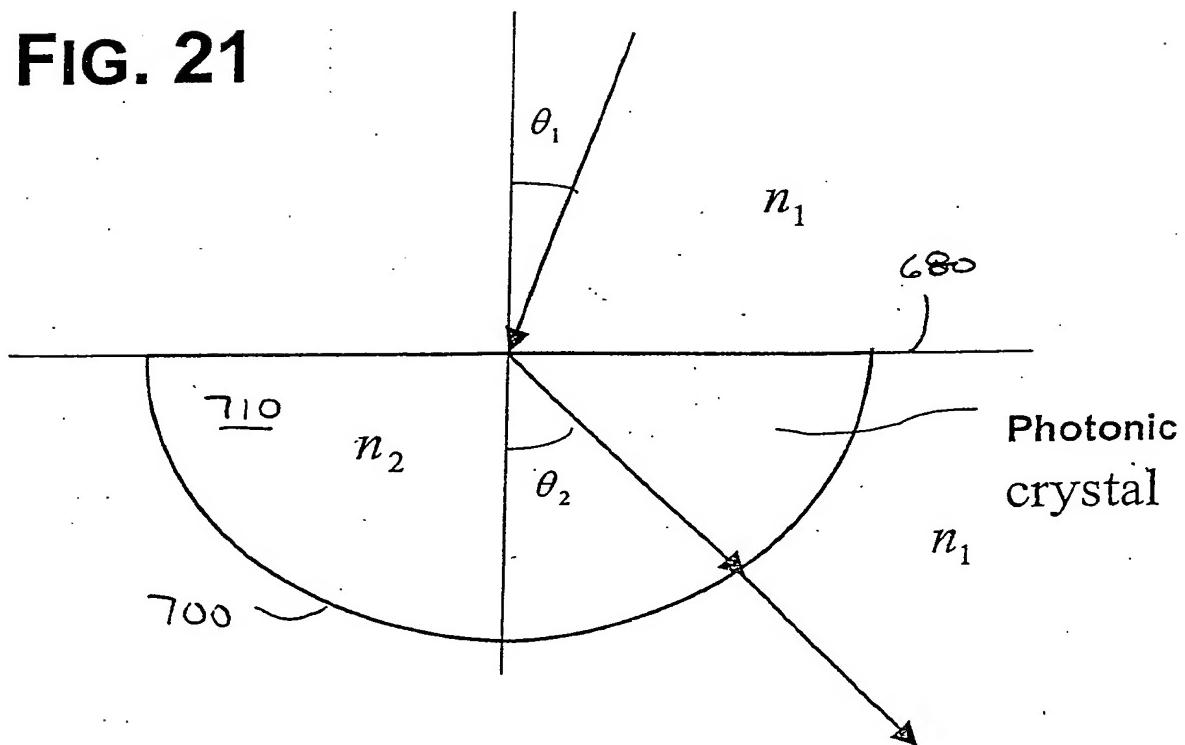


FIG. 21



**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.